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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/936,289	09/12/2001	Taizo Sato	SATO=22	SATO=22 3961	
75	90 07/07/2003				
Browdy & Neimark			EXAMINER		
624 Ninth Stree Washington, DO			ROY, SIKHA		
			ART UNIT	PAPER NUMBER	
			2879		
			DATE MAILED: 07/07/2003		

Please find below and/or attached an Office communication concerning this application or proceeding.

			216				
	Application No.	Applicant(s)					
· ·	09/936,289	SATO ET AL.					
Office Action Summary	Examiner	Art Unit					
•	Sikha Roy	2879					
- The MAILING DATE of this communication appears on the cover sheet with the correspondence address - Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, - Any reply received by the Office later than three months after the mailing eamed patent term adjustment. See 37 CFR 1.704(b). Status	86(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) day fill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this cor D (35 U.S.C. § 133).	nmunication.				
1) Responsive to communication(s) filed on 20 h	March 2003 .						
	is action is non-final.						
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims							
4) Claim(s) 1,2,5,7-9 is/are pending in the application							
4a) Of the above claim(s) is/are withdray	vn from consideration.						
5) Claim(s) is/are allowed.							
6) Claim(s) <u>1,2,5 and 7-9</u> is/are rejected.							
7) Claim(s) is/are objected to.							
8) Claim(s) are subject to restriction and/or	r election requirement.						
Application Papers	_						
9) The specification is objected to by the Examiner		:					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.							
If approved, corrected drawings are required in reply to this Office action. 12) The oath or declaration is objected to by the Examiner.							
Priority under 35 U.S.C. §§ 119 and 120							
13) △ Acknowledgment is made of a claim for foreign	nriority under 35 H.S.C. & 110/a	u)_(d) or (f)					
a) All b) Some * c) None of:	priority under 35 0.5.0. § 119(a	i)-(u) or (i).					
1. ☐ Certified copies of the priority documents	s have been received						
<u> </u>		on No					
			Stono				
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
14) Acknowledgment is made of a claim for domestic	c priority under 35 U.S.C. § 119(e) (to a provisional	application).				
 a) The translation of the foreign language pro 15) Acknowledgment is made of a claim for domesti 							
Attachment(s)							
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 3	5) Notice of Informal I	/ (PTO-413) Paper No(s Patent Application (PTC					
5. Patent and Trademark Office							

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DETAILED ACTION

Applicants' election without traverse of Group I, claims 1,2,5,7-9 in Paper No.8 is acknowledged.

Claims 3 and 4 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected Group II, there being no allowable generic or linking claim.

Claim Objections

Claims 1 and 2 are objected to because of the following informalities:

In claims 1 and 2, B and N are not defined. For examination purpose B and N are considered to be the wt.% of boron and nitrogen present in the shadow mask material respectively. The Examiner also notes that there is inconsistency in the unit of B and N and ppm (parts per million) used in the inequality in claims 1 and 2.

Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1,2,5,7-9 are rejected under 35 U.S.C. 102(b) as being anticipated by JP 2-254139 to Toyo Kohan Co. LTD.

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Referring to claims 1 and 2 JP 2-254139 discloses (please see Constitution) shadow mask material comprising 0.0013 wt.% of nitrogen (Table: embodiment 1), 0.0005-0.01 wt.% of carbon, silicon equal or less than 0.03 wt.%, 0.05-0.60 wt.% of manganese, 0.013 wt.% of phosphorus, 0.014 wt.% of sulfur, 0.02-0.50 wt.% of aluminum, 0.001-0.030 wt.% of boron and the residue including iron with unavoidable impurities and in which the value of B/N x 14/11 is regulated to satisfy a predetermined value of 1.5, B and N representing the wt.% of boron and nitrogen present in the mask material. JP 2-254139 further discloses that this shadow mask material provides excellent non-ageing and press formability characteristics.

Referring to claims 5,7 JP 2-254139 discloses this low carbon aluminum-killed steel material made with this specific composition is used for material for shadow mask.

Referring to claims 8 and 9 JP 2-254139 discloses the shadow mask is used in image forming picture tubes.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The following prior art references are cited to further show the state of the art with respect to shadow mask materials.

- U.S. Patent 5,002,619 to Tsuda et al.
- U.S. Patent 5,209,900 to Nakamura et al.
- U.S. Patent 5,532,088 to Teshima et al.
- U.S. Patent 5,643,697 to Baudry et al.

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U.S. Patent 6,258,496 to Makita et al.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sikha Roy whose telephone number is (703) 308-2826. The examiner can normally be reached on Monday-Friday 8:00 a.m. – 4:30 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimeshkumar D. Patel can be reached on (703) 305-4794. The fax phone number for the organization is (703) 308-7382.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

5.R.

Sikha Roy Patent Examiner Art Unit 2879

NIMESHKUMAR D. PATEL
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800